CLAIMS

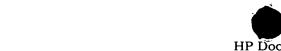
What is claimed is

A method of providing recovery from an error condition in a computer program, comprising the steps of: parsing a source program for an error condition test; detecting if an error condition test exists in said source program; determining if error recovery is enabled when said error condition test is 5 detected; 6 creating an error recovery flag code when said error condition test exists and 7 said error recovery is enabled;\and 8 inserting error recovery code in the computer program if error recovery is enabled. 10 The method of claim 1, further comprising the steps of: 2. 1 creating program abort code if said error condition test exists and error recovery 2

- is not enabled; and 3
- generating code to perform said error condition test if said error condition test
- 5 exists.
- 3. The method of claim 3, further comprising the step of: 1
- generating code to conditionally skip said program abort code and said error 2
- recovery flag code when said error condition test exists and said error recovery is not
- enabled.

recovery is enabled.

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The method of claim 1, further comprising the steps of: detecting if a call to a subroutine exists in said source program; and creating an error recovery flag test code to test if said error recovery is enabled 3 and said subroutine exists The method of claim 4, further comprising the steps of: 5. 1 generating code to conditionally skip said program abort code and said error 2 recovery flag test code when said error condition test exists and said error recovery is 3 not enabled. 6. A system for providing recovery from an error condition in a computer 1 program, said error recovery system comprising: 2 means for parsing a source program for an error condition test; 3 means for detecting if an error condition test exists in said source program; means for determining if error recovery is enabled when said error condition test 5 is detected; 6 means for creating an error recovery flag code when said error condition test 7 exists and said error recovery is enabled; and means for inserting error recovery code in the computer program if error 9

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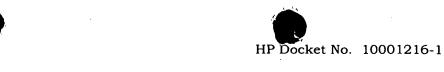
recovery is not enabled.

enabled and said subroutine exists.



7. The system of claim 6, further comprising: means for creating program abort code if said error condition test exists and error recovery is not enabled; and 3 means for generating code to perform said error condition test if said error 4 condition test exists. 5 The system of claim 7, further comprising: 8. 1 means for generating code to conditionally skip said program abort code and 2 said error recovery flag code when said error condition test exists and said error 3

- 9. The system of claim 6, further comprising: means for detecting if a call to a subroutine exists in said source program; and means for creating an error recovery flag test code to test if said error recovery is
- 10. The system of claim 9, further comprising: 1 means for generating code to conditionally skip said program abort code and 2 said error recovery flag test code when said error condition test exists and said error 3 recovery is not enabled.



1	11. An error recovery system providing recovery from an error condition in a
2	computer program, comprising
3	a compiler configured to parse a source program;
4	error condition test logic configured to detect whether an error condition test
5	exists in said source program;
6	determination logic configured to determine whether error recovery is enabled
7	when said error condition test is detected;
8	error recovery flag generation logic configured to generate an error recovery flag
9	code when said error condition test is detected and said error recovery is enabled; and
10	error recovery code logic configured to provide error recover that is inserted in
11	said computer program if error recovery is enabled.
1	12. The system of claim 11, further comprising:
2	abort code generator that generates abort code if said error condition test is
3	detected and error recovery is not enabled; and
4	error condition test code generator that generates code to perform said error
5	condition test if said error condition test is detected.
1	13. The system of claim 12, further comprising:

- conditional test code generator for generating code to conditionally skip said 2 program abort code and said error recovery flag code when said error condition test is
 - detected and said error recovery is not enabled.



14. The system of claim 11, further comprising:

subroutine detection logic that detects if a call to a subroutine exists in said

- 3 source program; and
- error recovery flag test code generator that generates code to test if said error
- 5 recovery is enabled and said subroutine exists.
- 1 15. The system of claim 14, further comprising:
- 2 conditional subroutine test\code generator for generating code to conditionally
- 3 skip said program abort code and said error recovery flag code, when said error
- 4 condition test is detected and said error recovery is not enabled.
- 16. A computer readable medium for providing recovery from an error
- 2 condition in a computer program, comprising:
- logic for parsing a source program for a error condition test;
- logic for detecting if an error condition test exists in said source program;
- logic for determining if error recovery is enabled when said error condition test
- 6 is detected;
- logic for creating an error recovery flag code when said error condition test
- 8 exists and said error recovery is enabled; and
- 9 logic for inserting error recovery code in the computer program if error recovery
- 10 is enabled.





17. The computer readable medium of claim 16, further comprising:

logic for creating program abort code if said error condition test exists and error

- 3 recovery is not enabled; and
- logic for generating code to perform said error condition test if said error
- 5 condition test exists.
- 1 18. The computer readable medium of claim 17, further comprising:
- logic for generating code to conditionally skip said program abort code and said
- error recovery flag code when said error condition test exists and said error recovery is
- 4 not enabled.
- 1 19. The computer readable medium of claim 16, further comprising:
- logic for detecting if a call to a subroutine exists in said source program; and
- logic for creating an error recovery flag test code to test if said error recovery is
- 4 enabled and said subroutine exists.
- 1 20. The computer readable medium of claim 19, further comprising:
- logic for generating code to conditionally skip said program abort code and said
- 3 error recovery flag test code when said error condition test exists and said error recovery
- 4 is not enabled.